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- (74) Agents: **DADIO**, Susan, M. et al.; Burns, Doane, Swecker & Mathis, LLP, P. O. Box 1404, Alexandria, Virginia 22313-1404 (US).
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- (71) Applicant (*for all designated States except US*): **LUNA INNOVATIONS INCORPORATED** [US/US]; 2851 Commerce Street, Blacksburg, Virginia 24060 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **PHILLIPS, J., Paige** [US/US]; 2539 12 O'Clock Knob Road, Salem, Virginia 24153 (US). **TOPASNA, Daniela, M.** [US/US]; 12 Poyntz Place, Lexington, Virginia 24450 (US). **STEVENSON, Steven, A.** [US/US]; 508 Alleghany Street, Blacksburg, Virginia 24060 (US). **DESCHATELETS, Pascal** [CA/US]; 11031 Indian Legends Drive, #202, Louisville, Kentucky 40241 (US). **KOENE, Bryan** [CA/US]; 1835 Augusta National Road, Blacksburg, Virginia 24060 (US).
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(54) Title: PHOTOVOLTAIC DEVICE WITH TRIMETASPHERES

(57) Abstract: An exemplary photovoltaic device for conversion of an incident wavelength of electromagnetic radiation to electricity has an absorber of incident wavelength of electromagnetic radiation, a trimetaspere in electron transferring contact with the absorber, an anode in electrical contact with the trimetaspere, and a cathode in electrical contact with the absorber. The absorber and trimetaspere can be arranged as a heterojunction or a blended junction. An exemplary electrical circuit has an absorber of incident electromagnetic radiation, a trimetaspere-containing material in electron transferring contact with the absorber, an anode, a cathode and a current path from the anode to the cathode. An exemplary method of converting incident electromagnetic radiation to an electrical signal using a trimetaspere-containing material is also disclosed.

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